

DEVICE FOR TRANSMITTING MOTION BETWEEN THE ROTOR OF A
SYNCHRONOUS PERMANENT-MAGNET MOTOR AND THE WORKING
PART, HAVING AN INCREASED FREE ROTATION ANGLE

ABSTRACT OF THE DISCLOSURE

5 A device for transmitting motion between the rotor of a synchronous
permanent-magnet motor and the working part, having an increased free rotation
angle, which comprises at least two motion transmission couplings which mutually
cooperate in a kinematic series. Each coupling is constituted by at least one driving
10 element (37) which is eccentric with respect to the rotation axis and is rigidly
coupled to a first component (14) of the motion transmission system and by at least
one driven element (39,41), which is also eccentric with respect to the rotation axis
and is rigidly coupled to the component (32) arranged kinematically after the
preceding one. The angle covered by the elements of each coupling is, as a whole,
15 less than a round angle. The intermediate components of the kinematic
transmission have both a driven element (39,41) and a driving element (37) for
receiving the motion from the preceding one and transmitting it to a subsequent
one.

20 (Figure 3)

